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From : Alain Painchaud, ing., da, client # 46343,
Application # 10/711 662
Bridge Converting movement into Electrical Energy.

Date: 23 Sept 2005

To: Raymond Addie, Patent Examiner, USPTO, Commissioner for Patents, PO Box
1450, Alexandria, Virginia, 22313-1450, fax 571-273-8300

Reference: In response to your advisory action of September 2005

Runner, 6 204 568 B1 :

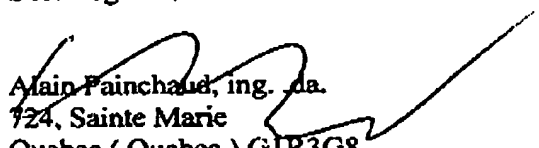
I read your last correspondence that says that my explanation failed to distinguish my invention from Runner. I would like to add that in my filing, it is clearly mentioned that my invention could be with as many pistons as needed connected to the crankshaft. Since it is clearly indicated, it means that my explanations are in line with my initial filing and that my invention is patentable.

Regarding the geared shaft of Runner (6,204,568), even if he says that it could be parallel to the traffic direction (it is not indicated in his filing anywhere), this invention does not work because it uses geared shaft and the pistons can only drive the shaft on one of its side. This, inevitably will create a lot of vibration and this invention can only be of academic use. So, the main difference comes from the fact that a crankshaft could be used to generate a sine wave at the surface of the road while a geared shaft can not be used. You can also see it very well with the prototype that I used for filing (the sine wave is made with only 4 pistons but it is made and it travels when the shaft turns).

In my explanation, I put more than 4 pistons to make sure that you understand why my invention is different than the one of others. As said above, this is covered by my initial filing because I clearly mentioned that we could put as many pistons as we want on the crankshaft.

I would like you to reconsider your decision in spite of this new explanation, that is straightforward, I think.

Best Regards,


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